

## CURRENT INDUSTRIAL REPORTS

# Manufacturers' Shipments, Inventories, and Orders

June 1988

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U.S. Department of Commerce  
BUREAU OF THE CENSUS

(All Figures in text are in seasonally adjusted current dollars)

### Summary

New orders for manufactured goods in June increased \$12.0 billion or 5.5 percent from May to \$229.8 billion. The durable goods sector accounted for most of the June gain, increasing \$10.8 billion or 9.4 percent to \$125.9 billion, revising the earlier reported 8.8 percent increase. Both defense shipbuilding and defense and nondefense aircraft and parts were up sharply. Orders for nondurable goods in June increased \$1.2 billion or 1.2 percent to \$103.9 billion.

Shipments of manufactured goods in June increased \$3.2 billion or 1.5 percent to \$220.6 billion. Over half of the increase was in the durables sector, up \$1.9 billion or 1.6 percent to \$116.6 billion. Shipments of nondurable goods were up \$1.3 billion or 1.2 percent to \$104.0 billion.

Unfilled orders in June increased \$9.2 billion or 2.2 percent to \$428.1 billion, the largest one-month increase since the 2.8 percent increase in March 1984. The value of manufacturers' inventories in June increased \$1.5 billion or 0.4 percent to \$344.8 billion, following a 0.7 percent increase in May. Inventories have been growing steadily since March 1987 when they were valued at \$320.0 billion. The inventory to shipments ratio for June was 1.56, down from 1.58 in May.

### New Orders

The increase in durable goods orders in June of 9.4 percent was the largest since the 10.9 percent gain in December 1982. The increase in June orders was concentrated in the transportation equipment industry, up \$10.1 billion or 35.9 percent to \$38.2 billion. Aircraft and parts increased \$5.2 billion to \$12.9 billion and shipbuilding and tanks \$4.6 billion to \$5.2 billion.

The increase in nondurable goods new orders of 1.2 percent was concentrated in the foods, apparel, paper, and petroleum product industries.

### Shipments

The 1.6 percent increase in shipments of durable goods reflected widespread gains; the largest were in transportation equipment and nonelectrical machinery. Transportation equipment increased \$0.6 billion or 2.1 percent to \$29.7 billion; the aircraft and motor vehicles industries accounted for most of the gain.

Nonelectrical machinery increased \$0.6 billion or 2.8 percent to \$20.6 billion, with the largest gain in office and computing equipment. The largest decline in shipments was in electrical machinery, down \$0.3 billion or 1.4 percent to \$19.9 billion.

Over half of the increase in nondurable goods shipments of 1.2 percent was in the foods industry, up \$0.7 billion or 2.4 percent to \$30.6 billion. Apparel, paper and petroleum products were also up.

### Unfilled Orders

The 2.2 percent increase in unfilled orders of manufacturers resulted mostly from the large increase in transportation equipment of \$8.5 billion or 4.5 percent to \$196.9 billion. The orders backlog for nonelectrical machinery increased \$0.9 billion or 1.5 percent to \$60.7 billion.

The orders backlog for nondurable goods declined \$0.1 billion or 0.6 percent to \$13.4 billion.

### Inventories

Both the durable and nondurable goods sectors had inventory increases. Durables were up \$0.8 billion or 0.4 percent to \$224.3 billion and nondurables \$0.7 billion or 0.6 percent to \$120.4 billion.

The increase in inventories in June was mostly in materials and supplies, up 0.7 percent, and finished goods up 0.6 percent; work in process was virtually flat.

**SCHEDULED RELEASE DATES.** The advance report on durable goods for July 1988 is scheduled for August 23, 1988 at 8:30 a.m. and the full report on August 30, 1988 at 10:00 a.m.

See back page for upcoming historical data revisions.

**Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, DC 20233 or call Ruth Runyan or Kathleen Menth, (301) 763-2502 or (301) 763-2512**

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Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>					
		Monthly				Percent change			Monthly				Year to date	
		June 1988P	May 1988P	Apr. 1988	June 1987P	May-JuneP	Apr.-MayP	June-88/87	June 1988P	May 1988P	Apr. 1988	June 1987	1988P	1987
	All manufacturing industries	220,640	217,481	214,794	200,952	+1.5	+1.3	+9.8	233,872	218,390	215,898	212,816	1,294,825	1,186,541
	Manufacturing industries with unfilled orders.....	121,564	119,982	118,336	109,363	+1.3	+1.4	+11.2	129,833	119,367	117,786	116,643	712,884	643,786
	Durable goods industries.....	116,613	114,735	112,627	104,888	+1.6	+1.9	+11.2	126,004	116,232	114,347	113,238	687,602	627,420
	With unfilled orders.....	94,951	93,429	91,515	84,704	+1.6	+2.1	+12.1	102,373	93,257	91,403	91,206	555,896	500,238
32	Stone, clay, and glass products.....	5,245	5,217	5,101	4,954	+0.5	+2.3	+5.9	5,693	5,409	5,352	5,380	31,084	30,021
33	Primary metals.....	11,483	11,052	10,719	9,039	+3.9	+3.1	+27.0	12,211	11,424	11,232	9,623	66,831	52,960
331	Blast furnaces, steel mills.....	4,908	4,788	4,750	3,896	+2.5	+0.8	+26.0	5,286	4,973	5,017	4,198	29,457	22,559
332	Iron and steel foundries.....	921	889	818	773	+3.6	+8.7	+19.1	994	935	858	834	5,190	4,884
333-9	Nonferrous and other primary metals.....	5,654	5,375	5,151	4,370	+5.2	+4.3	+29.4	5,931	5,516	5,357	4,591	32,184	25,517
34	Fabricated metal products.....	12,377	12,097	11,863	11,138	+2.3	+2.0	+11.1	13,325	12,377	12,049	11,976	72,149	68,417
35	Machinery, except electrical.....	20,649	20,084	19,710	17,316	+2.8	+1.9	+19.2	23,372	19,957	19,789	19,552	120,875	103,065
351	Engines and turbines.....	1,358	1,304	1,258	1,215	+4.1	+3.7	+11.8	1,451	1,377	1,345	1,298	8,111	7,182
353	Construction, mining, and material handling equipment..	2,540	2,515	2,505	2,155	+1.0	+0.4	+17.9	2,728	2,585	2,664	2,324	15,198	12,411
354	Metalworking machinery.....	830	870	803	760	-4.6	+8.3	+9.2	922	850	735	839	4,932	4,450
357	Office and computing machines.....	5,683	5,442	5,168	4,578	+4.4	+5.3	+24.1	7,013	4,875	4,401	5,640	31,094	25,861
36	Electrical machinery.....	19,919	20,198	19,719	18,704	-1.4	+2.4	+6.5	21,386	19,574	18,950	20,105	117,939	108,090
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,350	2,379	2,362	2,266	-1.2	+0.7	+3.7	2,542	2,343	2,290	2,448	14,129	13,298
363	Household appliances.....	1,541	1,583	1,547	1,602	-2.7	+2.3	-3.8	1,744	1,568	1,507	1,815	9,319	9,356
365	Radio and TV.....	987	1,165	970	1,138	-15.3	+20.1	-13.3	1,068	1,078	821	1,230	5,937	6,111
366	Communication equipment.....	6,572	6,315	6,366	6,141	+4.1	-0.8	+7.0	7,118	6,056	6,034	6,656	37,856	35,618
367	Electronic components.....	4,852	4,828	4,770	4,065	+0.5	+1.2	+19.4	5,109	4,831	4,882	4,290	28,863	23,948
364,9	Other electrical machinery.....	3,617	3,928	3,704	3,492	-7.9	+6.0	+3.6	3,805	3,698	3,416	3,666	21,835	19,759
37	Transportation equipment.....	29,691	29,086	27,960	27,297	+2.1	+4.0	+8.8	31,320	30,334	29,195	28,787	175,755	168,332
371	Motor vehicles and parts.....	18,914	18,708	17,612	16,604	+1.1	+6.2	+13.9	20,128	20,043	19,071	17,700	113,748	108,420
372,6	Aircraft, missiles, and parts.....	8,770	8,406	8,330	8,849	+4.3	+0.9	-0.9	9,156	8,316	8,109	9,225	50,525	49,448
3731,95	Shipbuilding and military tank vehicles.....	812	865	799	872	-6.1	+8.3	-6.9	812	865	799	872	4,864	4,785
38	Instruments and related products	5,830	5,712	5,877	5,288	+2.1	-2.8	+10.2	6,318	5,638	5,677	5,724	34,011	30,889
381-4	Scientific and engineering instruments.....	3,907	3,833	3,978	3,502	+1.9	-3.6	+11.6	4,208	3,773	3,880	3,767	23,140	20,664
386	Photographic goods.....	1,785	1,744	1,731	1,618	+2.4	+0.8	+10.3	1,967	1,723	1,621	1,782	9,930	9,248
24,25, 39	All other durable goods.....	11,419	11,289	11,678	11,152	+1.2	-3.3	+2.4	12,379	11,519	12,103	12,091	68,958	65,646
	Nondurable goods industries.....	104,027	102,746	102,167	96,064	+1.2	+0.6	+8.3	107,868	102,158	101,551	99,578	607,223	559,121
	With unfilled orders.....	26,613	26,553	26,821	24,659	+0.2	-1.0	+7.9	27,460	26,110	26,383	25,437	156,988	143,548
20	Food and kindred products.....	30,587	29,858	29,855	27,766	+2.4	0.0	+10.2	31,582	29,842	29,186	28,662	176,978	162,986
202	Dairy products.....	4,114	4,019	4,004	3,958	+2.4	+0.4	+3.9	4,316	4,146	3,980	4,151	24,378	23,472
208	Beverages.....	3,988	3,867	3,971	3,596	+3.1	-2.6	+10.9	4,463	4,112	4,211	4,029	23,276	21,416
203-6,9	All other foods.....	14,245	13,991	14,008	12,391	+1.8	-0.1	+15.0	14,359	13,535	13,336	12,473	82,281	73,203
21	Tobacco products.....	2,048	2,096	1,349	2,060	-2.3	+55.4	-0.6	2,048	2,096	1,349	2,060	9,749	8,701
22	Textile mill products.....	4,872	4,844	4,896	4,783	+0.6	-1.1	+1.9	5,214	4,817	4,804	5,126	28,615	27,863
221-4,6, 8,9	Broadwoven fabrics.....	2,976	3,036	3,086	2,908	-2.0	-1.6	+2.3	3,214	3,042	2,980	3,144	17,674	17,062
26	Paper and allied products.....	11,250	11,054	10,990	9,785	+1.8	+0.6	+15.0	11,824	11,038	11,063	10,295	66,483	57,980
261-3,6	Pulp, paper etc.....	5,055	4,932	5,039	4,163	+2.5	-2.1	+21.4	5,205	4,957	5,096	4,298	30,074	24,846
265	Paperboard containers.....	2,464	2,428	2,318	2,187	+1.5	+4.7	+12.7	2,636	2,457	2,379	2,325	14,294	12,506
264	All other paper products.....	3,731	3,694	3,633	3,435	+1.0	+1.7	+8.6	3,983	3,624	3,588	3,672	22,115	20,628
28	Chemicals and allied products...	19,924	19,921	20,118	17,820	0.0	-1.0	+11.8	21,068	20,163	20,844	18,892	121,283	107,223
281,6	Industrial chemicals, except pigments.....	5,773	5,842	5,714	5,256	-1.2	+2.2	+9.8	6,114	5,928	5,919	5,572	34,648	31,323
283,4	Drugs, soaps, and toiletries..	6,406	6,616	6,860	6,009	-3.2	-3.6	+6.6	6,918	6,079	6,368	6,514	39,184	35,433
282,9	Other chemical products.....	4,885	4,757	4,688	4,331	+2.7	+1.5	+12.8	5,032	4,802	4,809	4,453	28,825	25,399
29	Petroleum and coal products.....	11,222	10,975	10,834	11,087	+2.3	+1.3	+1.2	11,359	10,991	10,819	11,218	63,497	61,974
30	Rubber and plastics products....	7,370	7,389	7,302	6,572	-0.3	+1.2	+12.1	7,901	7,515	7,473	7,041	43,842	39,656
23,27, 31	All other nondurable goods.....	16,754	16,609	16,823	16,191	+0.9	-1.3	+3.5	16,872	15,696	16,013	16,284	96,776	92,738
	Market categories:													
	Home goods and apparel.....	13,921	13,883	13,766	13,767	+0.3	+0.8	+1.1	14,616	13,099	13,051	14,460	81,341	78,795
	Consumer staples.....	43,086	42,974	42,529	40,115	+0.3	+1.0	+7.4	44,747	42,415	41,241	41,672	250,377	231,670
	Equipment and defense products, except automotive.....	35,895	35,301	34,910	32,043	+1.7	+1.1	+12.0	39,599	34,575	34,057	35,223	209,717	185,875
	Automotive equipment.....	21,226	20,940	19,871	18,683	+1.4	+5.4	+13.6	22,592	22,308	21,400	19,914	126,870	120,599
	Construction materials, supplies and intermediate products.....	16,835	16,720	16,973	15,771	+0.7	-1.5	+6.7	18,477	17,399	17,737	17,318	100,622	95,270
	Other materials, supplies, and intermediate products.....	89,677	87,663	86,745	80,573	+2.3	+1.1	+11.3	93,841	88,594	88,412	84,229	525,898	474,332
	Supplementary series: <sup>2</sup>													
	Capital goods industries.....	40,911	40,193	39,537	37,382	+1.8	+1.7	+9.4	44,794	39,215	38,259	40,733	238,347	215,162
	Nondefense.....	31,897	31,837	31,069	27,924	+0.2	+2.5	+14.2	35,386	31,018	30,105	30,885	186,392	161,474
	Defense.....	9,014	8,356	8,468	9,458	+7.9	-1.3	-4.7	9,408	8,197	8,154	9,848	51,955	53,688
	Household durable goods industries.....	6,399	6,695	6,568	6,487	-4.4	+1.9	-1.4	6,898	6,514	6,332	7,002	39,016	37,173

See footnotes at end of table 2.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)															
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>						
		Monthly				Percent change			Monthly				Year to date		
		June 1988 <sup>P</sup>	May 1988 <sup>F</sup>	Apr. 1988	June 1987 <sup>F</sup>	May-June <sup>P</sup>	Apr.-May <sup>F</sup>	June-88/87	June 1988 <sup>P</sup>	May 1988 <sup>F</sup>	Apr. 1988	June 1987	1988 <sup>P</sup>	1987	
	All manufacturing industries	229,844	217,799	219,326	205,109	+5.5	-0.7	+12.1	240,205	216,369	219,343	214,098	1,322,351	1,201,314	
	Manufacturing industries with unfilled orders.....	130,768	120,300	122,868	113,520	+8.7	-2.1	+15.2	136,166	117,346	121,231	117,925	740,410	658,559	
	Durable goods industries.....	125,902	115,093	117,266	108,860	+9.4	-1.9	+15.7	132,421	114,354	117,918	114,356	714,956	639,983	
	With unfilled orders.....	104,240	93,787	96,154	88,676	+11.1	-2.5	+17.6	108,790	91,379	94,974	92,324	583,250	512,801	
32	Steele, clay, and glass products.....	5,290	5,281	5,139	4,925	+0.2	+2.8	+7.4	5,725	5,453	5,348	5,312	31,283	30,105	
33	Primary metals.....	11,494	11,887	11,098	9,931	-3.3	+7.1	+15.7	11,455	11,296	11,264	9,796	68,583	55,583	
331	Blast furnaces, steel mills....	4,885	5,407	4,611	4,514	-9.7	+17.3	+8.2	4,598	4,867	4,712	4,145	29,237	24,248	
332	Iron and steel foundries.....	939	913	850	747	+2.8	+7.4	+25.7	1,007	892	902	804	5,464	4,907	
333-9	Nonferrous and other primary metals.....	5,670	5,567	5,637	4,670	+1.9	-1.2	+21.4	5,850	5,537	5,650	4,847	33,882	26,428	
34	Fabricated metal products.....	12,246	12,063	11,989	11,537	+1.5	+0.6	+6.1	13,124	12,448	12,138	12,328	72,227	68,702	
35	Machinery, except electrical....	21,533	20,593	20,418	17,492	+4.6	+0.9	+23.1	24,028	20,534	20,699	19,547	124,711	105,088	
351	Engines and turbines.....	1,700	1,350	1,277	1,168	+25.9	+5.7	+45.5	1,755	1,436	1,284	1,218	7,888	7,149	
353	Construction, mining, and material handling equipment..	2,590	2,488	2,591	2,143	+4.1	-4.0	+20.9	2,621	2,506	2,723	2,198	15,399	12,360	
354	Metalworking machinery.....	1,206	968	1,006	704	+24.6	-3.8	+71.3	1,317	943	981	781	6,012	4,398	
357	Office and computing machines.	5,620	5,410	5,384	4,562	+3.9	+0.5	+23.2	7,048	5,081	4,955	5,746	31,936	26,874	
36	Electrical machinery.....	19,955	20,196	19,628	19,691	-1.2	+2.9	+1.3	21,201	19,415	18,573	20,712	119,775	108,613	
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	2,335	2,381	2,385	2,245	-1.9	-0.2	+4.0	2,483	2,338	2,299	2,382	14,282	13,306	
363	Household appliances.....	1,549	1,553	1,510	1,567	-0.3	+2.8	-1.1	1,750	1,553	1,475	1,780	9,331	9,300	
365	Radio and TV.....	965	1,234	877	1,084	-21.8	+40.7	-11.0	1,046	1,147	728	1,176	5,837	6,019	
366	Communication equipment.....	6,348	6,256	6,310	7,074	+1.5	-0.9	-10.3	6,732	5,748	5,439	7,298	37,162	35,344	
367	Electronic components.....	5,121	4,855	4,842	4,231	+5.5	+0.3	+21.0	5,349	4,923	5,177	4,402	31,141	24,847	
364,9	Other electrical machinery....	3,637	3,917	3,704	3,490	-7.1	+5.8	+4.2	3,841	3,706	3,455	3,674	22,022	19,797	
37	Transportation equipment.....	38,210	28,106	31,402	28,563	+35.9	-10.5	+33.8	38,292	27,874	31,881	28,576	194,243	173,394	
372,6	Aircraft, missiles, and parts.	12,939	7,709	11,366	9,297	+67.8	-32.2	+39.2	11,725	6,446	10,395	8,195	63,680	51,917	
3731,95	Shipbuilding and military tank vehicles.....	5,214	570	1,099	1,588	+814.7	-48.1	+228.3	5,319	472	1,197	1,644	10,430	6,891	
38	Instruments and related products	5,925	5,794	5,838	5,544	+2.3	-0.8	+6.9	6,429	5,716	5,648	5,996	34,408	31,462	
381-4	Scientific and engineering instruments.....	3,959	3,905	3,956	3,682	+1.4	-1.3	+7.5	4,260	3,845	3,858	3,947	23,465	20,969	
24,25, 39	All other durable goods.....	11,249	11,173	11,754	11,177	+0.7	-4.9	+0.6	12,167	11,618	12,367	12,089	69,726	67,036	
	Nondurable goods industries.....	103,942	102,706	102,060	96,249	+1.2	+0.6	+8.0	107,784	102,015	101,425	99,742	607,395	561,331	
	With unfilled orders.....	26,528	26,513	26,714	24,844	+0.1	-0.8	+6.8	27,376	25,967	26,257	25,601	157,160	145,758	
	Market categories:														
	Home goods and apparel.....	13,930	13,792	13,759	13,678	+1.0	+0.2	+1.8	14,543	13,064	13,094	14,296	82,137	80,076	
	Consumer staples.....	43,073	42,949	42,477	40,117	+0.3	+1.1	+7.4	44,682	42,317	41,192	41,628	250,335	231,536	
	Equipment and defense products, except automotive.....	44,270	34,611	36,488	34,095	+27.9	-5.1	+29.8	46,166	32,591	34,870	35,460	226,634	191,950	
	Automotive equipment.....	21,131	20,951	19,946	18,719	+0.9	+5.0	+12.9	22,445	22,110	21,371	19,895	126,500	120,938	
	Construction materials, supplies and intermediate products.....	16,819	16,657	17,102	15,793	+1.0	-2.6	+6.5	18,427	17,400	17,906	17,296	101,029	95,331	
	Other materials, supplies, and intermediate products.....	90,621	88,839	89,554	82,707	+2.0	-0.8	+9.6	93,942	88,887	90,910	85,523	535,716	481,483	
	Supplementary series: <sup>2</sup>														
	Capital goods industries.....	50,033	39,576	43,450	40,007	+26.4	-8.9	+25.1	52,049	37,131	41,224	41,472	260,056	222,172	
	Noodefense.....	35,758	31,582	33,492	30,057	+13.2	-5.7	+19.0	39,037	30,816	32,771	32,845	201,238	170,142	
	Defense.....	14,275	7,994	9,958	9,950	+78.6	-19.7	+43.5	13,012	6,315	8,453	8,627	58,818	52,030	
	Household durable goods industries.....	6,396	6,658	6,576	6,424	-3.9	+1.2	-0.4	6,857	6,500	6,374	6,900	39,675	38,050	

<sup>P</sup>Preliminary. <sup>F</sup>Revised.<sup>1</sup>Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are, as of the end of the period and are not adjusted for trading-day or calendar-month variations.

The supplementary series are regroupings of the separate industry categories: Household durable goods industries includes household furniture; kitchen articles and pottery; cutlery, hand tools, and hardware; household appliances, radio and TV, ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Noodefense capital goods include machinery, except electrical (excluding farm machinery and equipment and machine shops); electrical machinery (excluding household appliances, radio and TV, and electronic components); railroad equipment; and the nondefense portions of ordnance; communication equipment; aircraft and aircraft parts; and shipbuilding, converting and repairing.

Defense capital goods include ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding converting and repairing. The defense data are comparable to those published annually in the MA-175, Shipments to Federal Government Agencies.



Table 3. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)												
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>			
		End of month				Percent change			End of month			
		June 1988P	May 1988P	Apr. 1988	June 1987P	May-JuneP	Apr.-MayP	June-88/87	June 1988P	May 1988P	Apr. 1988	June 1987
	All manufacturing industries.....	428,056	418,852	418,534	385,420	+2.2	+0.1	+11.1	427,940	421,607	423,628	385,183
	Durable goods industries.....	414,681	405,392	405,034	372,376	+2.3	+0.1	+11.4	414,499	408,082	409,960	372,099
32	Steele, clay, and glass products.....	2,625	2,580	2,516	2,476	+1.7	+2.5	+6.0	2,666	2,634	2,590	2,514
33	Primary metals.....	23,596	23,585	22,750	19,621	0.0	+3.7	+20.3	23,357	24,113	24,241	19,350
331	Blat furnaces, steel mills.....	11,983	12,006	11,387	10,867	-0.2	+5.4	+10.3	11,659	12,347	12,453	10,540
332	Iron and steel foundries.....	3,188	3,170	3,146	2,713	+0.6	+0.8	+17.5	3,172	3,159	3,202	2,699
333-9	Nonferrous and other primary metals.....	8,425	8,409	8,217	6,041	+0.2	+2.3	+39.5	8,526	8,607	8,586	6,111
34	Fabricated metal products.....	19,332	19,463	19,497	18,879	-0.7	-0.2	+2.4	19,428	19,629	19,558	18,982
35	Machinery, except electrical.....	60,686	59,802	59,293	56,412	+1.5	+0.9	+7.6	60,751	60,095	59,518	56,581
351	Engines and turbines.....	14,643	14,301	14,255	14,646	+2.4	+0.3	0.0	14,462	14,158	14,099	14,472
353	Construction, mining, and material handling equipment.....	5,227	5,177	5,204	4,389	+1.0	-0.5	+19.1	5,086	5,193	5,272	4,284
354	Metalworking machinery.....	4,045	3,669	3,571	3,021	+10.2	+2.7	+33.9	4,017	3,622	3,529	3,003
357	Office and computing machines.....	18,661	18,724	18,756	19,152	-0.3	-0.2	-2.6	19,109	19,074	18,868	19,646
36	Electrical machinery.....	96,069	96,033	96,035	92,645	0.0	0.0	+3.7	96,640	96,825	96,984	93,093
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	5,651	5,666	5,664	5,357	-0.3	0.0	+5.5	5,627	5,686	5,691	5,336
363	Household appliances.....	205	197	227	200	+4.1	-13.2	+2.5	211	205	220	207
365	Radio and TV.....	260	282	213	271	-7.8	+32.4	-4.1	260	282	213	271
366	Communication equipment.....	68,719	68,943	69,002	68,900	-0.3	-0.1	-0.3	68,871	69,257	69,565	69,012
367	Electronic components.....	19,205	18,936	18,909	16,187	+1.4	+0.1	+18.6	19,628	19,388	19,296	16,530
364,9	Other electrical machinery.....	2,029	2,009	2,020	1,730	+1.0	-0.5	+17.3	2,043	2,007	1,999	1,737
37	Transportation equipment.....	196,856	188,337	189,317	167,696	+4.5	-0.5	+17.4	196,059	189,087	191,547	166,851
372,6	Aircraft, missiles, and parts.....	167,531	163,362	164,059	142,229	+2.6	-0.4	+17.8	166,392	163,823	165,693	141,195
3731,95	Shipbuilding and military tank vehicles.....	23,427	19,025	19,320	19,172	+23.1	-1.5	+22.2	23,844	19,337	19,730	19,452
38	Instruments and related products.....	9,301	9,206	9,124	8,732	+1.0	+0.9	+6.5	9,318	9,207	9,129	8,748
381-4	Scientific and engineering instruments.....	8,371	8,319	8,247	7,709	+0.6	+0.9	+8.6	8,371	8,319	8,247	7,709
24,25, 39	All other durable goods.....	6,216	6,386	6,502	5,915	-2.7	-1.8	+5.1	6,280	6,492	6,393	5,980
	Nondurable goods industries.....	13,375	13,460	13,500	13,044	-0.6	-0.3	+2.5	13,441	13,525	13,668	13,084
	Market categories:											
	Home goods and apparel.....	4,923	4,914	5,005	4,616	+0.2	-1.8	+6.7	4,920	4,993	5,028	4,613
	Consumer staples.....	725	738	763	697	-1.8	-3.3	+4.0	653	718	816	629
	Equipment and defense products, except automotive.....	268,296	259,921	260,611	244,256	+3.2	-0.3	+9.8	268,078	261,511	263,495	244,062
	Automotive equipment.....	5,330	5,425	5,414	5,934	-1.8	+0.2	-10.2	5,255	5,402	5,600	5,843
	Construction materials, supplies and intermediate products.....	10,485	10,501	10,564	9,987	-0.2	-0.6	+5.0	10,652	10,702	10,701	10,149
	Other materials, supplies, and intermediate products.....	138,297	137,353	136,177	119,930	+0.7	+0.9	+15.3	138,382	138,281	137,988	119,887
	Supplementary series: <sup>2</sup>											
	Capital goods industries.....	330,685	321,563	322,180	296,815	+2.8	-0.2	+11.4	330,167	322,912	324,996	296,324
	Nondefense.....	160,283	156,422	156,677	135,537	+2.5	-0.2	+18.3	160,335	156,684	156,886	135,688
	Defense.....	170,402	165,141	165,503	161,278	+3.2	-0.2	+5.7	169,832	166,228	168,110	160,636
	Household durable goods industries.....	4,038	4,041	4,078	3,878	-0.1	-0.9	+4.1	3,992	4,033	4,047	3,837

See footnotes at end of table 2.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millioos of dollars)												
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>			
		End of month				Percent change			End of month			
		June 1988P	May 1988F	Apr. 1988	June 1987F	May- JuneP	Apr.- MayF	June- 88/87	June 1988P	May 1988F	Apr. 1988	June 1987
	All manufacturing industries.....	344,764	343,274	340,893	321,817	+0.4	+0.7	+7.1	345,523	346,404	343,231	322,472
	Maoufacturing industries with uofilled orders.....	234,933	234,060	232,211	218,105	+0.4	+0.8	+7.7	236,753	236,998	233,922	219,855
	Durable goods industries.....	224,328	223,502	221,692	208,835	+0.4	+0.8	+7.4	225,399	226,014	223,423	209,890
	With uofilled orders.....	206,164	205,363	203,707	191,596	+0.4	+0.8	+7.6	207,550	207,787	204,983	192,937
32	Stone, clay, and glass products.....	7,042	7,121	7,048	6,988	-1.1	+1.0	+0.8	7,169	7,342	7,210	7,114
33	Primary metals.....	18,204	18,286	18,236	16,299	-0.4	+0.3	+11.7	18,298	18,473	18,323	16,410
331	Blaat furnaces, steel mills.....	8,445	8,529	8,557	7,296	-1.0	-0.3	+15.7	8,521	8,590	8,420	7,360
332	Iroo and steel foudries.....	1,215	1,211	1,230	1,193	+0.3	-1.5	+1.8	1,233	1,255	1,301	1,211
333-9	Nonferrous and other primary metals.....	8,544	8,546	8,449	7,810	0.0	+1.1	+9.4	8,544	8,628	8,602	7,839
34	Pabricated metal products.....	22,148	22,459	22,477	21,304	-1.4	-0.1	+4.0	22,482	22,771	22,804	21,652
35	Machioery, except electrical.....	43,620	43,260	42,742	40,930	+0.8	+1.2	+6.6	43,635	43,786	43,149	40,958
351	Engines and turbioes.....	3,067	2,995	2,963	2,822	+2.4	+1.1	+8.7	3,099	3,044	2,970	2,852
353	Constuction, mining, and material handling equipment.....	7,056	6,985	6,918	6,526	+1.0	+1.0	+8.1	6,985	7,037	6,963	6,473
354	Metalworking machioery.....	3,050	3,000	2,884	2,934	+1.7	+4.0	+4.0	3,053	3,059	2,915	2,941
357	Office and computing machines.....	10,493	10,278	10,173	9,665	+2.1	+1.0	+8.6	10,503	10,521	10,323	9,678
36	Electrical machinery.....	40,325	40,206	40,159	39,187	+0.3	+0.1	+2.9	40,918	40,852	40,535	39,763
361,2	Electrical transmission and distribution equipment and iudustrial apparatus.....	4,954	4,960	4,945	4,868	-0.1	+0.3	+1.8	4,993	5,049	5,004	4,912
363	Household appliances.....	2,781	2,820	2,811	2,692	-1.4	+0.3	+3.3	2,920	3,047	3,001	2,824
365	Radio and TV.....	1,585	1,594	1,628	1,662	-0.6	-2.1	-4.6	1,683	1,674	1,659	1,763
366	Communication equipment.....	16,443	16,392	16,367	16,422	+0.3	+0.2	+0.1	16,474	16,451	16,399	16,453
367	Electronic components.....	8,717	8,616	8,618	7,832	+1.2	0.0	+11.3	8,839	8,672	8,615	7,939
364,9	Other electrical machinery.....	5,845	5,824	5,790	5,711	+0.4	+0.6	+2.3	6,009	5,959	5,857	5,872
37	Transportation equipment.....	61,624	60,836	60,049	54,259	+1.3	+1.3	+13.6	61,360	61,103	60,093	53,965
371	Motor vehicles and parts.....	11,636	11,516	11,504	11,164	+1.0	+0.1	+4.2	11,164	11,376	11,582	10,708
372,6	Aircraft, missiles, and parts.....	45,924	45,216	44,518	39,255	+1.6	+1.6	+17.0	46,154	45,598	44,516	39,442
3731,95	Shipbuilding and military tank vehicles.....	2,219	2,260	2,209	2,076	-1.8	+2.3	+6.9	2,225	2,278	2,222	2,082
38	Instruments and related products.....	13,129	13,156	12,940	12,489	-0.2	+1.7	+5.1	13,295	13,406	13,018	12,658
381-4	Scientific and engineering iostuments.....	9,433	9,502	9,289	8,955	-0.7	+2.3	+5.3	9,499	9,631	9,288	9,022
386	Photographic goods.....	3,128	3,080	3,071	2,886	+1.6	+0.3	+8.4	3,200	3,181	3,140	2,957
24,25, 39	All other durable goods.....	18,236	18,178	18,041	17,379	+0.3	+0.8	+4.9	18,242	18,281	18,291	17,370
	Noodurable goods industries.....	120,436	119,772	119,201	112,982	+0.6	+0.5	+6.6	120,124	120,390	119,808	112,582
	With unfilled orders.....	28,769	28,697	28,504	26,509	+0.3	+0.7	+8.5	29,203	29,211	28,939	26,918
20	Food and kindred products.....	25,404	24,929	24,830	24,466	+1.9	+0.4	+3.8	24,305	24,082	24,271	23,367
202	Dairy products.....	2,204	2,227	2,192	2,229	-1.0	+1.6	-1.1	2,233	2,284	2,235	2,258
208	Beverages.....	4,288	4,304	4,252	4,525	-0.4	+1.2	-5.2	4,314	4,371	4,376	4,552
203-6,9	All other foods.....	14,541	14,294	14,388	14,388	+1.7	-0.7	+1.1	13,436	13,369	13,588	13,283
21	Tobacco products.....	5,694	5,612	5,666	5,913	+1.5	-1.0	-3.7	5,330	5,526	5,802	5,533
22	Textile mill products.....	6,967	7,024	7,003	6,760	-0.8	+0.3	+3.1	7,111	7,226	7,175	6,896
221-4,6, 8,9	Broadwoveo fabrics.....	3,903	3,922	3,865	3,756	-0.5	+1.5	+3.9	3,930	4,004	3,977	3,784
26	Paper and allied products.....	11,571	11,542	11,534	10,899	+0.3	+0.1	+6.2	11,730	11,769	11,777	11,052
261-3,6	Pulp, paper etc.....	4,393	4,347	4,355	4,165	+1.1	-0.2	+5.5	4,441	4,412	4,435	4,210
265	Paperbord cootcloers.....	3,123	3,151	3,113	2,761	-0.9	+1.2	+13.1	3,114	3,197	3,178	2,758
264	All other paper products.....	4,055	4,044	4,066	3,973	+0.3	-0.5	+2.1	4,175	4,160	4,164	4,084
28	Chemicals and allied products.....	28,762	28,609	28,539	26,496	+0.5	+0.2	+8.6	28,772	28,754	28,723	26,499
281,6	Iodustrial chemicals, except pigments.....	8,505	8,380	8,473	7,732	+1.5	-1.1	+10.0	8,505	8,380	8,473	7,732
283,4	Orugs, sosps, and toiletries.....	9,456	9,456	9,427	8,845	0.0	+0.3	+6.9	9,626	9,677	9,518	9,004
282,9	Other chemical products.....	7,031	6,965	6,867	6,303	+0.9	+1.4	+11.6	7,045	7,032	6,992	6,331
29	Petroleum and coal products.....	10,697	10,857	10,748	10,420	-1.5	+1.0	+2.7	10,577	10,851	10,530	10,307
30	Rubber and plastics products.....	9,631	9,522	9,464	8,684	+1.1	+0.6	+10.9	9,755	9,776	9,749	8,811
23,27, 31	All other nondurable goods.....	21,710	21,677	21,417	19,344	+0.2	+1.2	+12.2	22,544	22,406	21,781	20,117
	Market categories:											
	Home goods and apparel.....	26,951	27,130	26,942	25,667	-0.7	+0.7	+5.0	28,115	28,254	27,529	26,749
	Coosumer staples.....	43,470	43,172	43,274	42,457	+0.7	-0.2	+2.4	42,252	42,574	42,997	41,208
	Equipment and defense products, except automotive.....	100,062	98,980	97,866	92,309	+1.1	+1.1	+8.4	100,143	99,839	98,285	92,409
	Automotive equipment.....	14,136	13,999	13,950	13,537	+1.0	+0.4	+4.4	13,666	13,927	14,062	13,079
	Coostuction materials, supplies and intermediate products.....	24,758	24,865	24,708	23,177	-0.4	+0.6	+6.8	25,018	25,259	25,265	23,435
	Other materials, supplies, and intermediate products.....	135,387	135,128	134,153	124,670	+0.2	+0.7	+8.6	136,329	136,551	135,093	125,592
	Supplementary series: <sup>2</sup>											
	Capital goods industries.....	116,368	115,294	114,012	106,820	+0.9	+1.1	+8.9	116,998	116,542	114,571	107,411
	Nondefense.....	77,441	76,986	76,414	71,874	+0.6	+0.7	+7.7	77,678	77,793	76,880	72,121
	Defense.....	38,927	38,308	37,598	34,946	+1.6	+1.9	+11.4	39,320	38,749	37,691	35,290
	Household durable goods industries.....	13,141	13,227	13,184	13,157	-0.7	+0.3	-0.1	13,531	13,660	13,430	13,528

See footnotes at end of table 2.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP

(Millions of dollars)													
SIC Code	Industry	Seasonally adjusted							Not seasonally adjusted <sup>1</sup>				
		End of month				Percent change			End of month				
		June 1988P	May 1988 <sup>r</sup>	Apr. 1988	June 1987 <sup>r</sup>	May- JuneP	Apr.- May <sup>r</sup>	June- 88/87	June 1988P	May 1988 <sup>r</sup>	Apr. 1988	June 1987	
MATERIALS AND SUPPLIES													
	All manufacturing industries.....	110,466	109,713	108,969	103,916	+0.7	+0.7	+6.3	110,197	109,523	109,146	103,594	
	Durable goods industries.....	62,791	62,387	61,903	59,705	+0.6	+0.8	+5.2	62,689	62,156	61,719	59,608	
32	Stone, clay, and glass products.....	2,295	2,327	2,275	2,213	-1.4	+2.3	+3.7	2,297	2,332	2,275	2,211	
33	Primary metals.....	5,830	5,817	5,784	5,134	+0.2	+0.6	+13.6	5,743	5,632	5,565	5,062	
34	Fabricated metal products.....	7,774	7,829	7,837	7,287	-0.7	-0.1	+6.7	7,834	7,803	7,850	7,351	
35	Machinery, except electrical.....	12,555	12,539	12,458	11,826	+0.1	+0.7	+6.2	12,486	12,525	12,472	11,734	
36	Electrical machinery.....	10,678	10,647	10,615	10,460	+0.3	+0.3	+2.1	10,778	10,775	10,711	10,577	
37	Transportation equipment.....	12,120	11,806	11,785	11,982	+2.7	+0.2	+1.2	12,135	11,850	11,826	11,997	
38	Instruments and related products.....	4,531	4,436	4,375	4,163	+2.1	+1.4	+8.8	4,546	4,446	4,383	4,190	
24,25, 39	All other durable goods.....	7,008	6,986	6,774	6,640	+0.3	+3.1	+5.5	6,870	6,793	6,637	6,486	
	Nondurable goods industries.....	47,675	47,326	47,066	44,211	+0.7	+0.6	+7.8	47,508	47,367	47,427	43,986	
20	Food and kindred products.....	9,825	9,636	9,484	9,108	+2.0	+1.6	+7.9	9,664	9,545	9,555	8,939	
21	Tobacco products.....	4,403	4,374	4,444	4,959	+0.7	-1.6	-11.2	4,160	4,321	4,470	4,674	
22	Textile mill products.....	1,992	2,013	2,023	1,830	-1.0	-0.5	+8.9	2,035	2,098	2,105	1,869	
26	Paper and allied products.....	6,384	6,331	6,263	5,684	+0.8	+1.1	+12.3	6,426	6,362	6,344	5,722	
28	Chemicals and allied products.....	9,718	9,604	9,673	8,888	+1.2	-0.7	+9.3	9,754	9,600	9,673	8,907	
29	Petroleum and coal products.....	3,141	3,231	3,181	3,103	-2.8	+1.6	+1.2	3,119	3,228	3,162	3,095	
30	Rubber and plastics products.....	3,889	3,806	3,774	3,351	+2.2	+0.8	+16.1	3,911	3,845	3,809	3,381	
23,27, 31	All other nondurable goods.....	8,323	8,331	8,224	7,288	-0.1	+1.3	+14.2	8,439	8,368	8,309	7,399	
WORK IN PROCESS													
	All manufacturing industries.....	124,354	124,233	122,808	114,417	+0.1	+1.2	+8.7	124,376	125,158	123,270	114,367	
	Durable goods industries.....	105,260	105,069	103,760	96,244	+0.2	+1.3	+9.4	105,243	105,812	104,112	96,180	
32	Stone, clay, and glass products.....	1,118	1,145	1,112	1,007	-2.4	+3.0	+11.0	1,123	1,159	1,130	1,013	
33	Primary metals.....	7,293	7,327	7,335	6,462	-0.5	-0.1	+12.9	7,322	7,461	7,440	6,499	
34	Fabricated metal products.....	7,755	7,997	7,976	7,478	-3.0	+0.3	+3.7	7,846	8,145	8,100	7,560	
35	Machinery, except electrical.....	17,353	17,206	16,781	16,948	+0.9	+2.5	+2.4	17,308	17,289	16,902	16,925	
36	Electrical machinery.....	20,395	20,415	20,441	20,154	-0.1	-0.1	+1.2	20,525	20,456	20,401	20,257	
37	Transportation equipment.....	42,707	42,219	41,473	35,955	+1.2	+1.8	+18.8	42,419	42,417	41,452	35,638	
38	Instruments and related products.....	4,948	5,063	4,932	4,744	-2.3	+2.7	+4.3	5,039	5,196	4,966	4,829	
24,25, 39	All other durable goods.....	3,691	3,697	3,710	3,496	-0.2	-0.4	+5.6	3,661	3,689	3,721	3,459	
	Nondurable goods industries.....	19,094	19,164	19,048	18,173	-0.4	+0.6	+5.1	19,133	19,346	19,158	18,187	
20	Food and kindred products.....	2,460	2,408	2,446	2,512	+2.2	-1.6	-2.1	2,403	2,352	2,428	2,450	
21	Tobacco products.....	253	269	244	111	-5.9	+10.2	+127.9	252	268	242	109	
22	Textile mill products.....	2,201	2,188	2,158	2,086	+0.6	+1.4	+5.5	2,200	2,211	2,177	2,079	
26	Paper and allied products.....	1,266	1,274	1,298	1,253	-0.6	-1.8	+1.0	1,279	1,281	1,294	1,265	
28	Chemicals and allied products.....	4,278	4,344	4,299	4,067	-1.5	+1.0	+5.2	4,345	4,425	4,278	4,132	
29	Petroleum and coal products.....	2,400	2,432	2,380	2,271	-1.3	+2.2	+5.7	2,383	2,430	2,366	2,266	
30	Rubber and plastics products.....	1,527	1,541	1,500	1,354	-0.9	+2.7	+12.8	1,513	1,535	1,494	1,330	
23,27, 31	All other nondurable goods.....	4,709	4,708	4,723	4,519	0.0	-0.3	+4.2	4,758	4,844	4,879	4,556	
FINISHED GOODS													
	All manufacturing industries.....	109,944	109,328	109,116	103,484	+0.6	+0.2	+6.2	110,950	111,723	110,815	104,511	
	Durable goods industries.....	56,277	56,046	56,029	52,886	+0.4	0.0	+6.4	57,467	58,046	57,592	54,102	
32	Stone, clay, and glass products.....	3,629	3,649	3,661	3,768	-0.5	-0.3	-3.7	3,749	3,851	3,805	3,890	
33	Primary metals.....	5,081	5,142	5,117	4,703	-1.2	+0.5	+8.0	5,233	5,380	5,318	4,849	
34	Fabricated metal products.....	6,619	6,633	6,664	6,539	-0.2	-0.5	+1.2	6,802	6,823	6,854	6,741	
35	Machinery, except electrical.....	13,712	13,515	13,503	12,156	+1.5	+0.1	+12.8	13,841	13,972	13,775	12,299	
36	Electrical machinery.....	9,252	9,144	9,103	8,573	+1.2	+0.5	+7.9	9,615	9,621	9,423	8,929	
37	Transportation equipment.....	6,797	6,811	6,791	6,322	-0.2	+0.3	+7.5	6,806	6,836	6,815	6,330	
38	Instruments and related products.....	3,650	3,657	3,633	3,582	-0.2	+0.7	+1.9	3,710	3,764	3,669	3,639	
24,25, 39	All other durable goods.....	7,537	7,495	7,557	7,243	+0.6	-0.8	+4.1	7,711	7,799	7,933	7,425	
	Nondurable goods industries.....	53,667	53,282	53,087	50,598	+0.7	+0.4	+6.1	53,483	53,677	53,223	50,409	
20	Food and kindred products.....	13,119	12,885	12,900	12,846	+1.8	-0.1	+2.1	12,238	12,185	12,288	11,978	
21	Tobacco products.....	1,038	969	978	843	+7.1	-0.9	+23.1	918	937	1,090	750	
22	Textile mill products.....	2,774	2,823	2,822	2,844	-1.7	0.0	-2.5	2,876	2,917	2,893	2,948	
26	Paper and allied products.....	3,921	3,937	3,973	3,962	-0.4	-0.9	-1.0	4,025	4,126	4,139	4,065	
28	Chemicals and allied products.....	14,766	14,661	14,567	13,541	+0.7	+0.6	+9.0	14,673	14,729	14,772	13,460	
29	Petroleum and coal products.....	5,156	5,194	5,187	5,046	-0.7	+0.1	+2.2	5,075	5,193	5,002	4,946	
30	Rubber and plastics products.....	4,215	4,175	4,190	3,979	+1.0	-0.4	+5.9	4,331	4,396	4,446	4,100	
23,27, 31	All other nondurable goods.....	8,678	8,638	8,470	7,537	+0.5	+2.0	+15.1	9,347	9,194	8,593	8,162	

P Preliminary. <sup>r</sup> Revised.



Table 6. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

SIC Code	Industry	Inventory/shipments ratio				Unfilled orders/shipments ratio <sup>1</sup>			
		June 1988P	May 1988F	Apr. 1988	June 1987F	June 1988P	May 1988F	Apr. 1988	June 1987F
	All manufacturing industries.....	1.56	1.58	1.59	1.60	3.52	3.49	3.54	3.52
	Durable goods industries.....	1.92	1.95	1.97	1.99	4.37	4.34	4.43	4.40
32	Stone, clay, and glass products.....	1.34	1.36	1.38	1.41	0.55	0.54	0.54	0.55
33	Primary metals.....	1.59	1.65	1.70	1.80	2.05	2.13	2.12	2.17
34	Fabricated metal products.....	1.79	1.86	1.89	1.91	1.73	1.77	1.83	1.87
35	Machinery, except electrical.....	2.11	2.15	2.17	2.36	3.10	3.16	3.20	3.47
36	Electrical machinery.....	2.02	1.99	2.04	2.10	4.82	4.75	4.87	4.95
37	Transportation equipment.....	2.08	2.09	2.15	1.99	11.90	11.64	12.03	10.77
38	Instruments and related products.....	2.25	2.30	2.20	2.36	1.60	1.61	1.55	1.65
	Nondurable goods industries.....	1.16	1.17	1.17	1.18	0.50	0.51	0.50	0.53
20	Food and kindred products.....	0.83	0.83	0.83	0.88	(X)	(X)	(X)	(X)
21	Tobacco products.....	2.78	2.68	4.20	2.87	(X)	(X)	(X)	(X)
22	Textile mill products.....	1.43	1.45	1.43	1.41	(NA)	(NA)	(NA)	(NA)
26	Paper and allied products.....	1.03	1.04	1.05	1.11	(NA)	(NA)	(NA)	(NA)
28	Chemicals and allied products.....	1.44	1.44	1.42	1.49	(X)	(X)	(X)	(X)
29	Petroleum and coal products.....	0.95	0.99	0.99	0.94	(X)	(X)	(X)	(X)
30	Rubber and plastics products.....	1.31	1.29	1.30	1.32	(X)	(X)	(X)	(X)

P Preliminary. F Revised. (X) Not applicable. (NA) Not available.

<sup>1</sup>Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

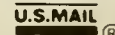
Table 7. AVERAGE REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES

(Based on seasonally adjusted data)

SIC Code	Industry	Shipments			New orders			Unfilled orders			Inventories		
		Year ago June 1987	All-June 1983-1987	June 1987-May 1988	Year ago June 1987	All-June 1983-1987	June 1987-May 1988	Year ago June 1987	All-June 1983-1987	June 1987-May 1988	Year ago June 1987	All-June 1983-1987	June 1987-May 1988
	All manufacturing industries.....	0.1	0.3	0.2	0.3	0.4	0.3	0.2	0.1	0.1	0.0	0.1	0.1
	Durable goods industries.....	0.1	0.4	0.2	0.3	0.5	0.5	0.2	0.1	0.1	0.1	0.2	0.1
32	Stone, clay, and glass products.....	0.1	0.5	0.7	0.2	1.0	0.6	0.7	1.9	0.6	0.5	0.3	0.2
33	Primary metals.....	1.3	0.7	0.7	0.6	1.9	1.3	0.9	0.9	0.5	0.1	0.1	0.3
34	Fabricated metal products.....	0.2	0.2	0.5	0.1	0.5	0.6	0.2	0.3	0.3	0.0	0.3	0.1
35	Machinery, except electrical.....	0.4	1.1	0.7	2.2	1.7	1.0	0.2	0.2	0.2	0.3	0.2	0.2
36	Electrical machinery.....	0.0	0.5	0.5	0.2	0.8	0.9	0.0	0.1	0.1	0.3	0.2	0.2
37	Transportation equipment.....	0.0	0.6	0.0	0.5	0.7	0.4	0.1	0.1	0.1	0.0	0.2	0.1
38	Instruments and related products.....	0.8	0.7	0.9	2.5	1.8	0.9	1.0	1.1	0.4	0.0	0.2	0.1
	Nondurable goods industries.....	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.5	0.2	0.1	0.1
20	Food and kindred products.....	0.2	0.4	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.6	0.3	0.3
21	Tobacco products.....	0.0	0.8	0.3	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.3	0.0
22	Textile mill products.....	0.4	1.3	0.6	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.0	0.3	0.4
26	Paper and allied products.....	1.5	0.8	0.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.5	0.3	0.2
28	Chemicals and allied products.....	0.4	1.5	0.5	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.3	0.2
29	Petroleum and coal products.....	0.7	0.7	0.7	(X)	(X)	(X)	(X)	(X)	(X)	0.5	0.4	0.5
30	Rubber and plastics products.....	0.2	0.7	0.8	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.6	0.2
	Capital goods industries:												
	Nondefense.....	0.2	0.8	0.5	0.1	1.4	0.8	0.1	0.1	0.1	0.2	0.1	0.1
	Defense.....	0.2	0.5	0.3	1.3	2.8	1.1	0.0	0.2	0.0	0.1	0.6	0.1

(X) Not Applicable (NA) Not available.

Note: The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.



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### NOTICE

Revised historical data for Manufacturers' Shipments, Inventories, and Orders January 1982 - April 1988, will be issued August 22, 1988. Revisions will reflect:

- Corrections to monthly data to include data received too late to include in the monthly publications, reclassifications of reports based on improved industry information, and corrections received from companies to their historical data.
- Inclusion of benchmark data for:
  - shipments and inventories from the 1986 Annual Survey of Manufacturers.
  - unfilled orders from the 1986 MA-300 Unfilled Orders Supplement.
  - shipments from the 1986 MA-175, Report on Shipments to Federal Government agencies.
  - recalculation of new orders estimates using the revised shipments and unfilled orders data.
  - recalculation of the seasonally adjusted data using information through the May Manufacturers' Shipments, Inventories, and Orders (M3) report.

Concurrent seasonal adjustment of the current and prior month data will continue. However, the practice of revising one year ago seasonally adjusted data will be discontinued. Also, additional series may be seasonally adjusted at that time.

Any questions regarding this announcement can be answered by calling Ruth Runyan on (301) 763-2502.

